

Andrew Freistein 10/682,496

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NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and
USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAPLUS(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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FILE 'HOME' ENTERED AT 10:42:36 ON 08 SEP 2006

=> file reg

09/08/2006

Page 1

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| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

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STRUCTURE FILE UPDATES: 7 SEP 2006 HIGHEST RN 906063-52-3
DICTIONARY FILE UPDATES: 7 SEP 2006 HIGHEST RN 906063-52-3

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

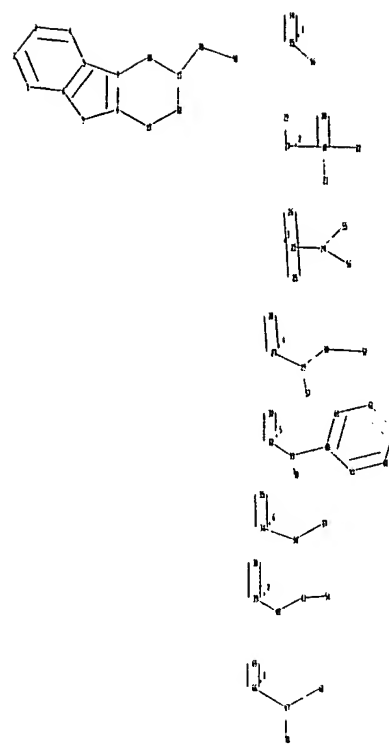
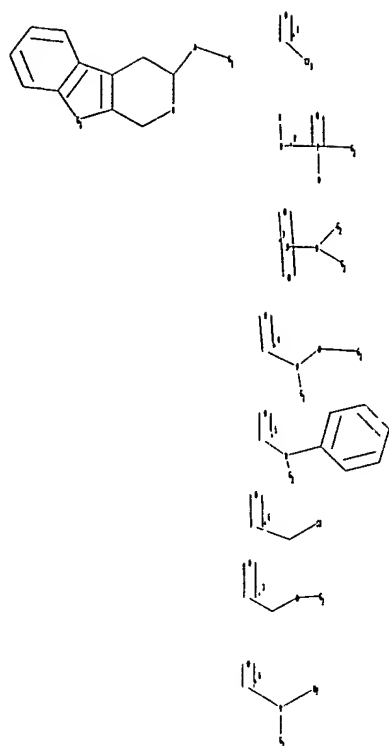
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=>

Uploading C:\Program Files\Stnexp\Queries\10682496\RCE FAOM\c.str



chain nodes :

14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
35 36 37 38 39 40 41 50 52 54 55 56 57 58 66 67 68 69 70 73

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 60 61 62 63 64 65

chain bonds :

11-73 14-15 15-16 17-18 17-19 18-20 18-21 18-22 23-24 23-25 23-26 24-55
24-56 27-28 27-29 29-30 29-57 30-52 31-32 32-33 33-58 33-60 34-35 34-36
36-37 38-39 39-40 40-41 41-54 50-73 66-67 66-69 67-68 67-70

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ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 12-13
60-61 60-65 61-62 62-63 63-64 64-65
exact/norm bonds :
5-7 6-9 7-8 7-10 8-9 8-13 10-11 11-12 11-73 12-13 14-15 15-16 17-18
17-19 18-20 18-21 18-22 23-24 23-25 23-26 24-55 24-56 27-28 27-29 29-30
29-57 30-52 31-32 32-33 33-58 33-60 34-35 34-36 36-37 38-39 39-40 40-41
41-54 50-73 66-67 66-69 67-68 67-70
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 60-61 60-65 61-62 62-63 63-64 64-65

G1:SH, [*1], [*2], [*3], [*4], [*5], [*6], [*7], [*8]

G2:H, CH3, Et, n-Pr

G3:O, S, N

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS
27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS
35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS 50:CLASS
52:CLASS 54:CLASS 55:CLASS 56:CLASS 57:CLASS 58:CLASS 60:Atom 61:Atom
62:Atom 63:Atom 64:Atom 65:Atom 66:CLASS 67:CLASS 68:Atom 69:CLASS 70:CLASS
73:CLASS

L1 STRUCTURE UPLOADED

=> fd

798 FD
40 FDS

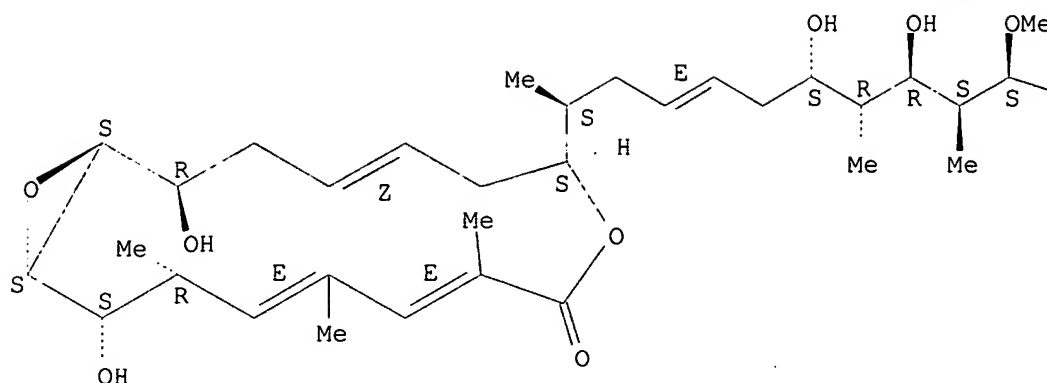
L2 837 FD
(FD OR FDS)

=> d

L2 ANSWER 1 OF 837 REGISTRY COPYRIGHT 2006 ACS on STN
RN 900145-50-8 REGISTRY
ED Entered STN: 10 Aug 2006
CN INDEX NAME NOT YET ASSIGNED
OTHER NAMES:
CN 12Z-FD 891
FS STEREOSEARCH
MF C33 H54 O8
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

Absolute stereochemistry. Rotation (+).
Double bond geometry as described by E or Z.

PAGE 1-A



PAGE 1-B

Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s l1

SAMPLE SEARCH INITIATED 10:43:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4234 TO ITERATE

47.2% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 80778 TO 88582
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 10:43:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 83774 TO ITERATE

100.0% PROCESSED 83774 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.02

L4 13 SEA SSS FUL L1

=> file hcplus

COST IN U.S. DOLLARS

SINCE FILE
ENTRY

TOTAL
SESSION

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FULL ESTIMATED COST

173.60

173.81

FILE 'HCAPLUS' ENTERED AT 10:43:21 ON 08 SEP 2006
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FILE LAST UPDATED: 7 Sep 2006 (20060907/ED)

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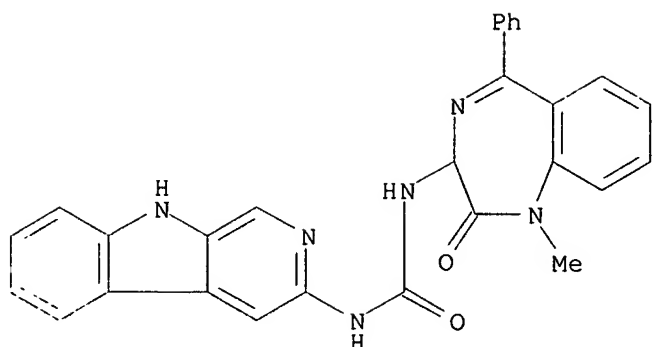
=> s l4
L5 19 L4

=> d ibib hitstr 1-19

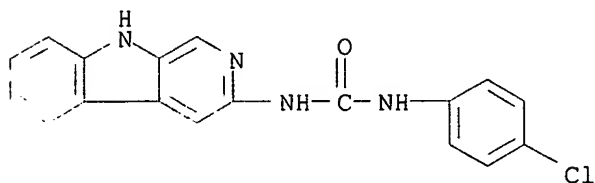
L5 ANSWER 1 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1994:605398 HCAPLUS
DOCUMENT NUMBER: 121:205398
TITLE: Preparation of benzodiazepine analogs as antagonists of cholecystokinin and gastrin
INVENTOR(S): Bock, Mark G.; Evans, Ben E.; Freidinger, Roger M.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 14 pp. Cont.-in-part of U.S. Ser. No. 824,764, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|-------------|
| US 5324726 | A | 19940628 | US 1992-968624 | 19921029 |
| PRIORITY APPLN. INFO.: | | | US 1989-452012 | B2 19891218 |
| | | | US 1990-621500 | B1 19901207 |
| | | | US 1992-824764 | B2 19920117 |

OTHER SOURCE(S): MARPAT 121:205398
IT 136162-71-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as CCK and gastrin antagonist)
RN 136162-71-5 HCAPLUS
CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)

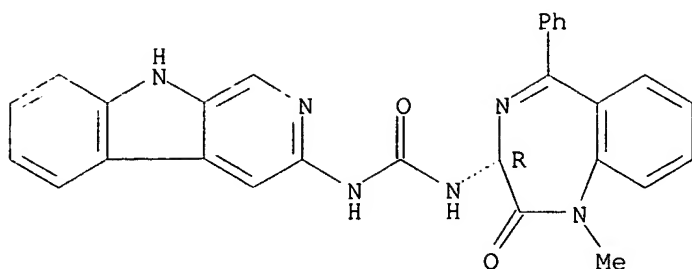


L5 ANSWER 2 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:551654 HCAPLUS
DOCUMENT NUMBER: 119:151654
TITLE: Multipurpose receptor ligands: β -carboline
cholecystokinin antagonists
AUTHOR(S): Evans, Ben E.; Rittle, Kenneth E.; Chang, Raymond S.
L.; Lotti, Victor J.; Freedman, Stephen B.;
Freidinger, Roger M.
CORPORATE SOURCE: Dep. Med. Chem., Merck Res. Lab., West Point, PA,
19486, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (1993), 3(5),
867-70
CODEN: BMCLE8; ISSN: 0960-894X
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 122137-46-6 136234-82-7 150134-11-5
RL: BIOL (Biological study)
(cholecystokinin-antagonist activity of, structure in relation to)
RN 122137-46-6 HCAPLUS
CN Urea, N-(4-chlorophenyl)-N'-(9H-pyrido[3,4-b]indol-3-yl)- (9CI) (CA INDEX
NAME)



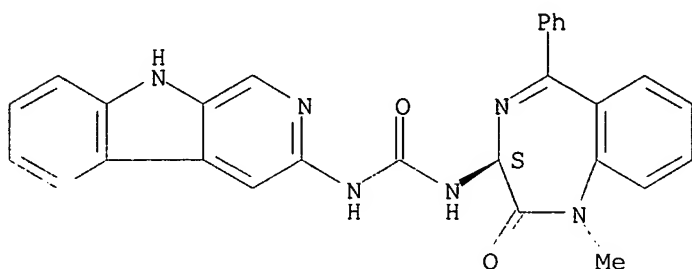
RN 136234-82-7 HCAPLUS
CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'-
9H-pyrido[3,4-b]indol-3-yl-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 150134-11-5 HCAPLUS
 CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'-9H-pyrido[3,4-b]indol-3-yl-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

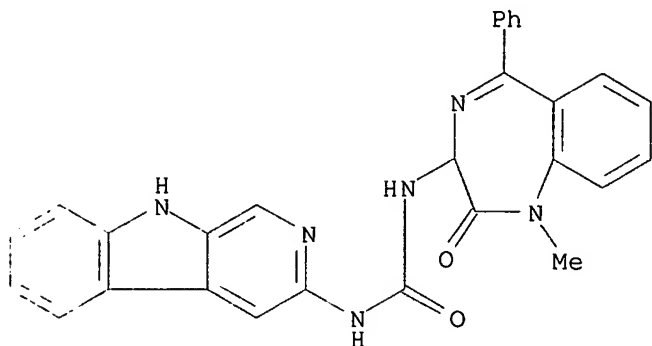


L5 ANSWER 3 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1993:428165 HCAPLUS
 DOCUMENT NUMBER: 119:28165
 TITLE: Preparation of benzodiazepine analogs as
 cholecystokinin and gastrin antagonist
 INVENTOR(S): Freidinger, Roger M.; Bock, Mark G.; Evans, Ben E.
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA
 SOURCE: Eur. Pat. Appl., 21 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------------|----------|-----------------|------------|
| EP 523845 | A2 | 19930120 | EP 1992-305391 | 19920612 |
| EP 523845 | A3 | 19931118 | | |
| R: CH, DE, FR, GB, IT, LI, NL | | | | |
| CA 2071181 | AA | 19921215 | CA 1992-2071181 | 19920612 |
| JP 06321917 | A2 | 19941122 | JP 1992-197404 | 19920615 |
| PRIORITY APPLN. INFO.: | | | US 1991-715539 | A 19910614 |
| OTHER SOURCE(S): | MARPAT 119:28165 | | | |
| IT 136162-71-5P | | | | |
| RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as cholecystokinin and gastrin antagonist) | | | | |
| RN 136162-71-5 | HCAPLUS | | | |
| CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'- | | | | |

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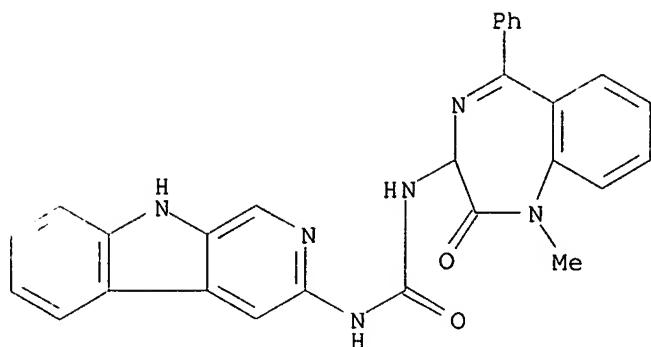
9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1992:531235 HCAPLUS
DOCUMENT NUMBER: 117:131235
TITLE: New benzodiazepine analogs with cholecystokinin
receptor antagonistic activity.
INVENTOR(S): Bock, Mark G.; Evans, Ben E.; Freidinger, Roger M.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------|------|----------|-----------------|------------|
| EP 490590 | A1 | 19920617 | EP 1991-311364 | 19911206 |
| R: CH, DE, FR, GB, IT, LI, NL | | | | |
| CA 2056809 | AA | 19920608 | CA 1991-2056809 | 19911202 |
| JP 05025146 | A2 | 19930202 | JP 1991-322023 | 19911205 |
| PRIORITY APPLN. INFO.: | | | US 1990-623473 | A 19901207 |
| | | | US 1991-718488 | A 19910620 |

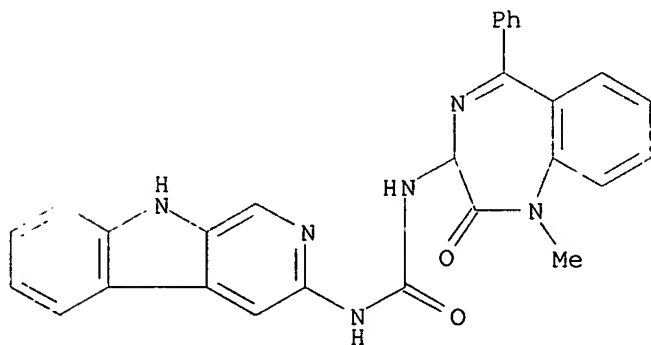
OTHER SOURCE(S): MARPAT 117:131235
IT 136162-71-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and cholecystokinin receptor antagonistic activity of)
RN 136162-71-5 HCAPLUS
CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'-
9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)



L5 ANSWER 5 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1991:583378 HCAPLUS
 DOCUMENT NUMBER: 115:183378
 TITLE: Preparation of benzodiazepin-2-ones as cholecystokinin (CKK) and gastrin antagonists
 INVENTOR(S): Bock, Mark G.; Evans, Ben E.; Freidinger, Roger M.
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA
 SOURCE: Eur. Pat. Appl., 22 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

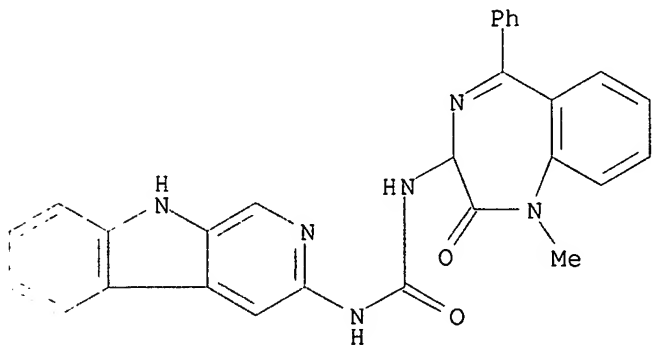
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| EP 434369 | A1 | 19910626 | EP 1990-313854 | 19901218 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE | | | | |
| CA 2032226 | AA | 19910619 | CA 1990-2032226 | 19901213 |
| JP 06065215 | A2 | 19940308 | JP 1990-419339 | 19901218 |
| PRIORITY APPLN. INFO.: | | | US 1989-452012 | A 19891218 |
| | | | US 1990-621500 | A 19901207 |

OTHER SOURCE(S): MARPAT 115:183378
 IT 136162-71-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as cholecystokinin and gastrin antagonist)
 RN 136162-71-5 HCAPLUS
 CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)



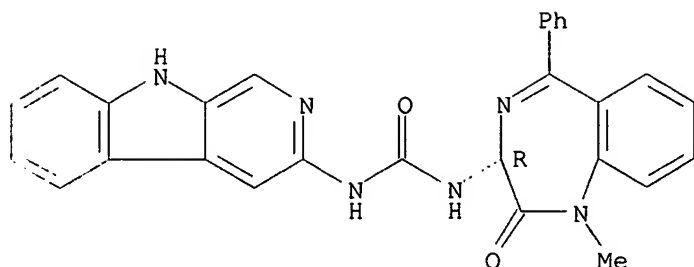
L5 ANSWER 6 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1991:559189 HCAPLUS
 DOCUMENT NUMBER: 115:159189
 TITLE: Preparation of benzodiazepine analogs for treating
 panic syndrome and for directly inducing analgesia
 INVENTOR(S): Bock, Mark G.; Freidinger, Roger M.; Dourish, Colin
 T.; Iversen, Susan; Evans, Ben E.
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA
 SOURCE: Eur. Pat. Appl., 52 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|-------------------|----------|-----------------|------------|
| EP 434364 | A2 | 19910626 | EP 1990-313847 | 19901218 |
| EP 434364 | A3 | 19920401 | | |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| CA 2032222 | AA | 19910619 | CA 1990-2032222 | 19901213 |
| AU 9068151 | A1 | 19910620 | AU 1990-68151 | 19901217 |
| ZA 9010124 | A | 19910925 | ZA 1990-10124 | 19901217 |
| JP 06009580 | A2 | 19940118 | JP 1990-419340 | 19901218 |
| PRIORITY APPLN. INFO.: | | | US 1989-452023 | A 19891218 |
| OTHER SOURCE(S): | MARPAT 115:159189 | | | |
| IT 136162-71-5P 136234-82-7P | | | | |
| RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as cholecystokinin and gastrin antagonist for treatment of panic disorder) | | | | |
| RN 136162-71-5 HCAPLUS | | | | |
| CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'- 9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME) | | | | |



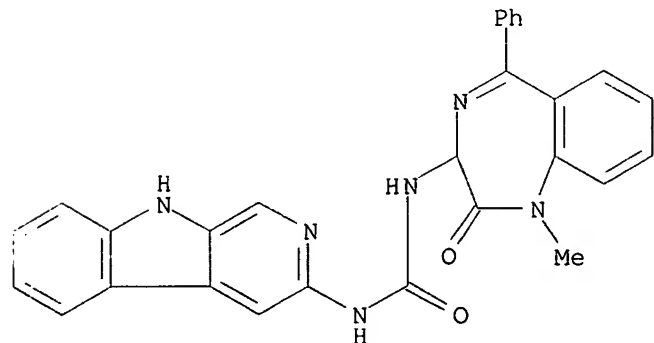
RN 136234-82-7 HCAPLUS
 CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'-
 9H-pyrido[3,4-b]indol-3-yl-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 7 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1991:536128 HCAPLUS
 DOCUMENT NUMBER: 115:136128
 TITLE: Preparation of benzodiazepine analogs as
 cholecystokinin and gastrin antagonists
 INVENTOR(S): Bock, Mark G.; Evans, Ben E.; Freidinger, Roger M.
 PATENT ASSIGNEE(S): Merck and Co., Inc., USA
 SOURCE: Eur. Pat. Appl., 23 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| EP 434360 | A1 | 19910626 | EP 1990-313837 | 19901218 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE | | | | |
| CA 2032427 | AA | 19910619 | CA 1990-2032427 | 19901217 |
| JP 06009579 | A2 | 19940118 | JP 1990-419338 | 19901218 |
| PRIORITY APPLN. INFO.: | | | US 1989-452026 | A 19891218 |
| OTHER SOURCE(S): | MARPAT 115:136128 | | | |
| IT 136162-71-5P | | | | |
| RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as cholecystokinin and gastrin antagonist) | | | | |
| RN 136162-71-5 HCAPLUS | | | | |
| CN Urea, N-(2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl)-N'-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME) | | | | |



L5 ANSWER 8 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN

Andrew Freistein 10/682,496

ACCESSION NUMBER: 1989:497209 HCAPLUS
DOCUMENT NUMBER: 111:97209
TITLE: Preparation of β -carboline derivatives as cholecystokinin and gastrin antagonists
INVENTOR(S): Evans, Ben E.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: Eur. Pat. Appl., 28 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------------------------|------|----------|-----------------|-------------|
| EP 304223 | A2 | 19890222 | EP 1988-307420 | 19880811 |
| EP 304223 | A3 | 19901024 | | |
| R: CH, DE, FR, GB, IT, LI, NL | | | | |
| JP 01068369 | A2 | 19890314 | JP 1988-203317 | 19880817 |
| US 5223509 | A | 19930629 | US 1992-841231 | 19920221 |
| PRIORITY APPLN. INFO.: | | | US 1987-86134 | A 19870817 |
| | | | US 1988-244583 | B1 19880913 |
| | | | US 1989-363357 | B1 19890602 |
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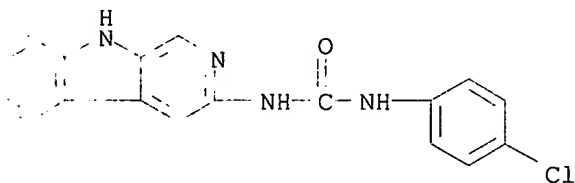
OTHER SOURCE(S): MARPAT 111:97209

IT 122137-46-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as cholecystokinin and gastrin antagonist)

RN 122137-46-6 HCAPLUS

CN Urea, N-(4-chlorophenyl)-N'-(9H-pyrido[3,4-b]indol-3-yl)- (9CI) (CA INDEX NAME)



L5 ANSWER 9 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1988:473359 HCAPLUS

DOCUMENT NUMBER: 109:73359

TITLE: Synthesis of 1,2,3,4-tetrahydro- β -carboline derivatives as hepatoprotective agents. II. Alkyl 1,2,3,4-tetrahydro- β -carboline-2-carbodithioates

AUTHOR(S): Saiga, Yutaka; Iijima, Ikuo; Ishida, Akihiko; Miyagishima, Toshikazu; Shigezane, Keisuke; Oh-Ishi, Tokuro; Matsumoto, Mamoru; Matsuoka, Yuzo

CORPORATE SOURCE: Org. Chem. Res. Lab., Tanabe Seiyaku Co., Ltd., Toda, 335, Japan

SOURCE: Chemical & Pharmaceutical Bulletin (1987), 35(8), 3262-9

CODEN: CPBTAL; ISSN: 0009-2363

DOCUMENT TYPE: Journal

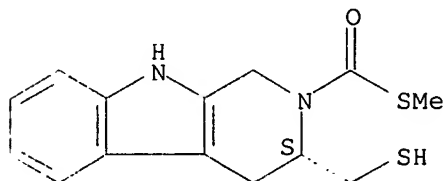
LANGUAGE: English

OTHER SOURCE(S): CASREACT 109:73359

Andrew Freistein 10/682,496

IT 115524-38-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 115524-38-4 HCAPLUS
CN 2H-Pyrido[3,4-b]indole-2-carbothioic acid, 1,3,4,9-tetrahydro-3-
(mercaptomethyl)-, S-methyl ester, (S)- (9CI) (CA INDEX NAME)

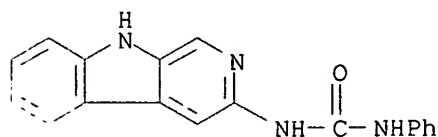
Absolute stereochemistry.



L5 ANSWER 10 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1987:4998 HCAPLUS
DOCUMENT NUMBER: 106:4998
TITLE: 3-Substituted 9H-pyrido[3,4-b]indoles
PATENT ASSIGNEE(S): Council of Scientific and Industrial Research, India
SOURCE: Indian, 11 pp.
CODEN: INXXAP
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|------------|
| IN 157242 | A | 19860215 | IN 1980-DE315 | 19800428 |
| IN 161150 | A | 19871010 | IN 1984-DE189 | 19840229 |
| IN 161373 | A | 19871121 | IN 1984-DE190 | 19840229 |
| PRIORITY APPLN. INFO.: | | | IN 1980-DE315 | A 19800428 |

IT 74170-53-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as contraceptive)
RN 74170-53-9 HCAPLUS
CN Urea, N-phenyl-N'-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)

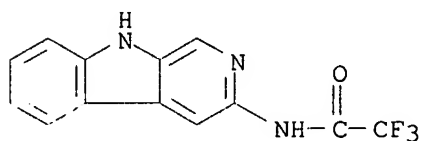


L5 ANSWER 11 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1986:68837 HCAPLUS
DOCUMENT NUMBER: 104:68837
TITLE: β -Carboline derivatives and their use
INVENTOR(S): Potier, Pierre; Dodd, Robert; Rossier, Jean Pierre
PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique, Fr.
SOURCE: Fr. Demande, 24 pp.
CODEN: FRXXBL

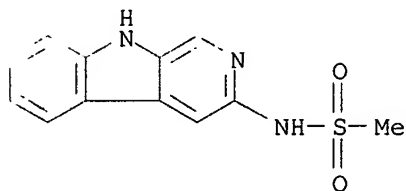
Andrew Freistein 10/682,496

DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|----------|-----------------|------------|
| FR 2555988 | A1 | 19850607 | FR 1983-19496 | 19831206 |
| EP 148660 | A1 | 19850717 | EP 1984-402405 | 19841126 |
| R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE | | | | |
| JP 60139692 | A2 | 19850724 | JP 1984-255878 | 19841205 |
| PRIORITY APPLN. INFO.: | | | FR 1983-19496 | A 19831206 |
| OTHER SOURCE(S): CASREACT 104:68837; MARPAT 104:68837 | | | | |
| IT 95935-49-2P 95935-51-6P | | | | |
| RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation and pharmacol. activity of) | | | | |
| RN | 95935-49-2 HCAPLUS | | | |
| CN | Acetamide, 2,2,2-trifluoro-N-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME) | | | |



RN 95935-51-6 HCAPLUS
CN Methanesulfonamide, N-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)



L5 ANSWER 12 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1985:203889 HCAPLUS
DOCUMENT NUMBER: 102:203889
TITLE: 3-Amino- β -carboline derivatives and the benzodiazepine receptor. Synthesis of a selective antagonist of the sedative action of diazepam
AUTHOR(S): Dodd, Robert H.; Ouannes, Catherine; Prado de Carvalho, Lia; Valin, Anne; Venault, Patrice; Chapouthier, Georges; Rossier, Jean; Potier, Pierre
CORPORATE SOURCE: Inst. Chim. Subst. Nat., Cent. Natl. Rech. Sci., Gif-sur-Yvette, F 91190, Fr.
SOURCE: Journal of Medicinal Chemistry (1985), 28(6), 824-8
CODEN: JMCMAR; ISSN: 0022-2623
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 102:203889

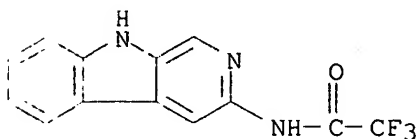
Andrew Freistein 10/682,496

IT 95935-49-2P 95935-51-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and benzodiazepine receptor affinity of)

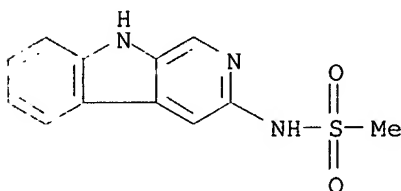
RN 95935-49-2 HCAPLUS

CN Acetamide, 2,2,2-trifluoro-N-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)



RN 95935-51-6 HCAPLUS

CN Methanesulfonamide, N-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)



L5 ANSWER 13 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1981:515508 HCAPLUS

DOCUMENT NUMBER: 95:115508

TITLE: Psychotropic β -carboline-3-carboxylates

PATENT ASSIGNEE(S): Schering A.-G., Fed. Rep. Ger.

SOURCE: Jpn. Kokai Tokkyo Koho, 39 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

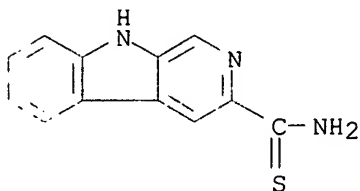
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| ----- | ---- | ----- | ----- | ----- |
| JP 56043283 | A2 | 19810421 | JP 1980-119662 | 19800829 |
| JP 02034952 | B4 | 19900807 | | |
| DK 8000889 | A | 19810830 | DK 1980-889 | 19800229 |
| DE 3015816 | A1 | 19811029 | DE 1980-3015816 | 19800422 |
| DE 3023567 | A1 | 19820121 | DE 1980-3023567 | 19800620 |
| AU 8061864 | A1 | 19810416 | AU 1980-61864 | 19800819 |
| AU 544731 | B2 | 19850613 | | |
| EP 30254 | A1 | 19810617 | EP 1980-105019 | 19800823 |
| EP 30254 | B1 | 19841031 | | |
| R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE | | | | |
| AT 10098 | E | 19841115 | AT 1980-105019 | 19800823 |
| IL 60906 | A1 | 19851129 | IL 1980-60906 | 19800825 |
| RO 80265 | P | 19830429 | RO 1980-102050 | 19800827 |
| FI 8002720 | A | 19810301 | FI 1980-2720 | 19800828 |
| FI 68829 | B | 19850731 | | |
| FI 68829 | C | 19851111 | | |
| NO 8002546 | A | 19810302 | NO 1980-2546 | 19800828 |

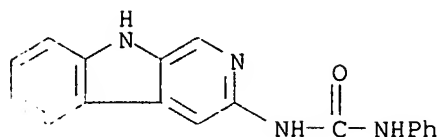
Andrew Freistein 10/682,496

| | | | | |
|------------------------|----|----------|-----------------|-------------|
| NO 155055 | B | 19861027 | | |
| NO 155055 | C | 19870204 | | |
| US 4371536 | A | 19830201 | US 1980-182244 | 19800828 |
| CA 1150246 | A1 | 19830719 | CA 1980-359184 | 19800828 |
| HU 28753 | O | 19831228 | HU 1980-2129 | 19800828 |
| HU 186744 | B | 19850930 | | |
| SU 1114335 | A3 | 19840915 | SU 1980-2969305 | 19800828 |
| DK 8003703 | A | 19810301 | DK 1980-3703 | 19800829 |
| DK 168292 | B1 | 19940307 | | |
| ES 494590 | A1 | 19810816 | ES 1980-494590 | 19800829 |
| ZA 8005383 | A | 19810826 | ZA 1980-5383 | 19800829 |
| DD 152935 | C | 19811216 | DD 1980-223673 | 19800829 |
| US 5010077 | A | 19910423 | US 1988-188145 | 19880425 |
| PRIORITY APPLN. INFO.: | | | DK 1979-3622 | A 19790829 |
| | | | DK 1980-889 | A 19800229 |
| | | | DE 1980-3015816 | A 19800422 |
| | | | DE 1980-3023567 | A 19800620 |
| | | | DK 1979-6322 | A 19790829 |
| | | | EP 1980-105019 | A 19800823 |
| | | | US 1980-182244 | A3 19800828 |
| | | | US 1982-433308 | B1 19821007 |
| | | | US 1985-731244 | B1 19850507 |

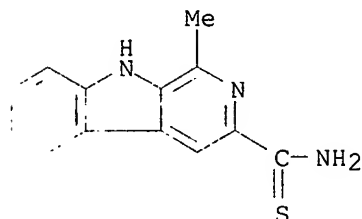
OTHER SOURCE(S): CASREACT 95:115508
IT 78538-77-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 78538-77-9 HCAPLUS
CN 9H-Pyrido[3,4-b]indole-3-carbothioamide (9CI) (CA INDEX NAME)



L5 ANSWER 14 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1980:446473 HCAPLUS
DOCUMENT NUMBER: 93:46473
TITLE: Studies on β -carboline: Reaction of
3-amino-9H-pyrido[3,4-b]indole with phenyl
isothiocyanates and isocyanates
AUTHOR(S): Agarwal, Shiv K.; Saxena, Anil K.; Jain, Padam C.
CORPORATE SOURCE: Div. Med. Chem., Cent. Drug Res. Inst., Lucknow, 226
001, India
SOURCE: Indian Journal of Chemistry, Section B: Organic
Chemistry Including Medicinal Chemistry (1980),
19B(1), 42-4
CODEN: IJSBDB; ISSN: 0376-4699
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 74170-53-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 74170-53-9 HCAPLUS
CN Urea, N-phenyl-N'-9H-pyrido[3,4-b]indol-3-yl- (9CI) (CA INDEX NAME)

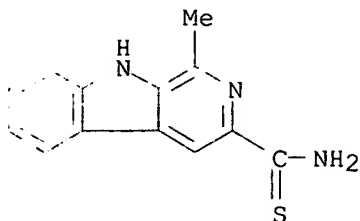


L5 ANSWER 15 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1964:443325 HCAPLUS
DOCUMENT NUMBER: 61:43325
ORIGINAL REFERENCE NO.: 61:7557a-c
TITLE: Neuropharmacology of some harman derivatives
AUTHOR(S): Sigg, E. B.; Gyermek, L.; Hill, R. T.; Yen, H. C. Y.
CORPORATE SOURCE: Geigy Chem. Corp., Ardsley, NY
SOURCE: Archives Internationales de Pharmacodynamie et de
Therapie (1964), 149(1-2), 164-80
CODEN: AIPTAK; ISSN: 0003-9780
DOCUMENT TYPE: Journal
LANGUAGE: English
IT 106384-17-2, 9H-Pyrido[3,4-b]indole-3-carboxamide, 1-methylthio-
(nervous system response to)
RN 106384-17-2 HCAPLUS
CN 9H-Pyrido[3,4-b]indole-3-carboxamide, 1-methylthio- (7CI) (CA INDEX NAME)



L5 ANSWER 16 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1963:73257 HCAPLUS
DOCUMENT NUMBER: 58:73257
ORIGINAL REFERENCE NO.: 58:12521h,12522a-d
TITLE: 1-Alkyl(or aryl)-β-carboline-3-carboxylic acid
amides
INVENTOR(S): Leonard, Frederick
PATENT ASSIGNEE(S): J. R. Geigy A.-G.
SOURCE: 23 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

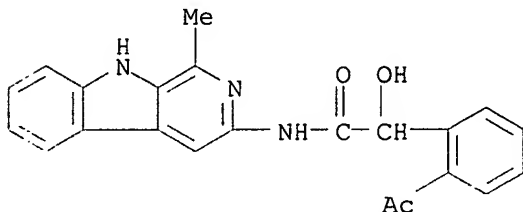
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| BE 612725 | | 19620717 | BE | |
| PRIORITY APPLN. INFO.: | | | US | 19610118 |
| IT 106384-17-2, 9H-Pyrido[3,4-b]indole-3-carboxamide, 1-methylthio- (preparation of) | | | | |
| RN 106384-17-2 HCAPLUS | | | | |
| CN 9H-Pyrido[3,4-b]indole-3-carboxamide, 1-methylthio- (7CI) (CA INDEX NAME) | | | | |



L5 ANSWER 17 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1962:483277 HCAPLUS
DOCUMENT NUMBER: 57:83277
ORIGINAL REFERENCE NO.: 57:16621e-h
TITLE: β -Carboline derivatives
INVENTOR(S): Leonard, Frederick
PATENT ASSIGNEE(S): J. R. Geigy A.-G.
SOURCE: 20 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| ----- | ---- | ----- | ----- | ----- |
| BE 612726 | | 19620717 | BE | |
| PRIORITY APPLN. INFO.: | | | US | 19610118 |
| IT 100768-56-7, Mandelamide, o-acetyl-N-(1-methyl-9H-pyrido[3,4-b]indol-3-yl)-, hydrochloride (preparation of) | | | | |
| RN 100768-56-7 HCAPLUS | | | | |
| CN Mandelamide, o-acetyl-N-(1-methyl-9H-pyrido[3,4-b]indol-3-yl)-, hydrochloride (7CI) (CA INDEX NAME) | | | | |



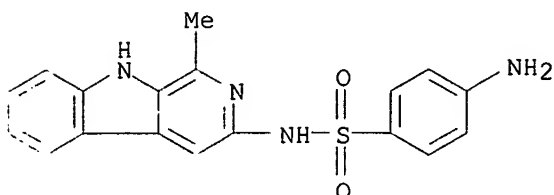
● HCl

L5 ANSWER 18 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN

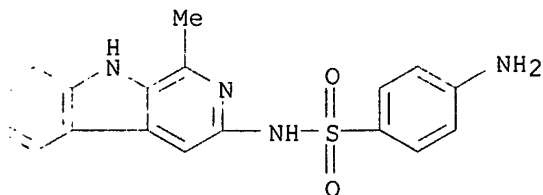
ACCESSION NUMBER: 1948:11949 HCAPLUS
DOCUMENT NUMBER: 42:11949
ORIGINAL REFERENCE NO.: 42:2608f-i, 2609a-b
TITLE: Alkaloids of calabash curare. V
AUTHOR(S): Wieland, V. Heinrich; Witkop, Bernhard; Bahr, Karl
CORPORATE SOURCE: Bayerischen Akademie der Wissenschaften, Munich
SOURCE: Ann. (1947), 558, 144-56

Andrew Freistein 10/682,496

DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
IT 874493-37-5, Sulfanilamide, N1-(1-methyl-9H-pyrido[3,4-b]indol-3-yl)-
(preparation of)
RN 874493-37-5 HCAPLUS
CN Sulfanilamide, N1-(1-methyl-9H-pyrido[3,4-b]indol-3-yl)- (5CI) (CA INDEX NAME)



L5 ANSWER 19 OF 19 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1948:11948 HCAPLUS
DOCUMENT NUMBER: 42:11948
ORIGINAL REFERENCE NO.: 42:2608e-f
TITLE: Synthesis of derivatives of β -carboline. IV.
3-Aminoharman and some of its derivatives
AUTHOR(S): Snyder, H. R.; Parmerter, Stanley M.; Walker, Howard G.
CORPORATE SOURCE: Univ. of Illinois, Urbana
SOURCE: Journal of the American Chemical Society (1948), 70, 237-9
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 42:11948
IT 874493-37-5, Sulfanilamide, N1-(1-methyl-9H-pyrido[3,4-b]indol-3-yl)-
(preparation of)
RN 874493-37-5 HCAPLUS
CN Sulfanilamide, N1-(1-methyl-9H-pyrido[3,4-b]indol-3-yl)- (5CI) (CA INDEX NAME)



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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

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| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 71.75 | 245.56 |

STN INTERNATIONAL LOGOFF AT 10:44:28 ON 08 SEP 2006